CLAIM LISTING:

Claims 1-8 are cancelled and withdrawn from consideration. Claims 10-12 and 21-22 are dependent on independent claim 9. Claim 20 is an independent claim. This claim listing replaces all prior claim listings. Claim 23 is added.

1-8. (Cancelled)

9. (Currently Amended) A video decoder for decoding video data, said video decoder comprising:

a local buffer for storing a ~~portion~~ <u>a macroblock row</u> of compressed video data;

a decompression engine for decoding the ~~portion~~ <u>macroblock row</u> of the compressed video data stored in the local buffer~~, wherein the portion comprises a macroblock row~~; and

an extractor for transmitting an indicator to a direct memory access engine indicating that the ~~portion~~ <u>macroblock row</u> of the compressed video data stored in the local buffer can be overwritten by another ~~portion~~ <u>macroblock row</u> of the compressed video data, after the decompression engine decodes the ~~portions~~ <u>macroblock row</u> of the video data stored in the local buffer.

10. (Original) The video decoder of claim 9, wherein the decompression engine transmits a command to the direct memory access engine.

11. (Previously Presented) The video decoder of claim 9, wherein the local buffer stores another portion of the

compressed video data after the extractor transmits the signal to the direct memory access engine.

12. (Previously Presented) The video decoder of claim 9, further comprising:

a second local buffer for storing a second ~~portion~~ <u>macroblock row</u> of the compressed video data while the first local buffer stores the ~~portion~~ <u>macroblock row</u> of the compressed video data; and

a second extractor for transmitting an indicator to a direct memory access engine indicating that the second local buffer can store another portion of the compressed video data, after the decompression engine decodes the compressed second portion of the video data stored in the second local buffer.

13-19. (Cancelled)

20. (Currently Amended) A decoder system for decoding video data, said decoder system comprising:

a video decoder for decoding portions of compressed video data, said video decoder comprising:

a local buffer for storing ~~the~~ macroblock rows ~~portions~~ of the video data; and

an extractor for transmitting a signal indicating that one of the ~~portions~~ <u>macroblock rows</u> of video data stored a portion of the local buffer can be overwritten with another ~~portion~~ <u>macroblock row</u> of the compressed video data after the video decoder decodes the portions of compressed video data~~, wherein the portions of the compressed video data comprise macroblock rows~~; and

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a direct memory access engine for providing the another ~~portion~~ <u>macroblock row</u> of the compressed video data to the portion of the local buffer, after receiving the signal from the extractor.

21.   (Previously Presented) The video decoder of claim 9, wherein the extractor transmits the indicator after the decompression engine has decoded the portions, wherein decoding the portions further comprises motion compensating the portions.

22.   (Cancelled)

23.   (New) A video decoder for decoding video data, said video decoder comprising:

a variable length decoder for variable length decoding macroblock rows;

a compressed data buffer for storing the variable length decoded macroblock rows; and

a decompression engine for decompressing the variable length decoded macroblock rows;

wherein the variable length decoder for variable length decoding decodes a first macroblock row and writes the variable length decoded first macroblock row to one portion of the compressed data buffer;

wherein the variable length decoder for variable length decoding decodes a second macroblock row and writes the variable length decoded second macroblock row to another portion of the compressed buffer while the decompression engin decompressed the first macroblock row.

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